

Title (en)

Process for the preparation of MFI-Type zeolitic catalysts

Title (de)

Verfahren zur Herstellung von Zeolithkatalysatoren des MFI-Typs

Title (fr)

Procédé de préparation de catalyseurs zéolithiques de type MFI

Publication

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Application

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Priority

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Abstract (en)

The present invention relates to a process for the preparation of zeolitic catalysts of the MFI type in spheroidal form. The process consists in emulsifying and consolidating in paraffinic hydrocarbons, in the presence of a non-ionic surface-active agent or a suitable combination of a non-ionic surface-active agent and a cationic surface-active agent, a dispersion of particles of zeolitic material of the MFI type in a silica sol.

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B01J 2229/42 (2013.01 - EP US)

Citation (applicant)

- EP 0234088 A2 19870902 - SUMITOMO CHEMICAL CO [JP]
- EP 1002577 A1 20000524 - ENICHEM SPA [IT]
- EP 0906784 A2 19990407 - ENICHEM SPA [IT]
- EP 1106576 A1 20010613 - ENICHEM SPA [IT], et al

Citation (search report)

- [X] EP 1106576 A1 20010613 - ENICHEM SPA [IT], et al
- [A] EP 0791558 A1 19970827 - ENICHEM SPA [IT]
- [DA] EP 1002577 A1 20000524 - ENICHEM SPA [IT]
- [A] EP 0906784 A2 19990407 - ENICHEM SPA [IT]
- [A] EP 0215579 A1 19870325 - BRITISH PETROLEUM CO PLC [GB]

Cited by

CN103896839A; EP2552833A4; WO201126738A2; WO2009108264A3; WO2010036296A1

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US 2007173644 A1 20070726; US 6838406 B2 20050104; US 7214637 B2 20070508; US 7547778 B2 20090616

DOCDB simple family (application)

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